

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 5 : Ferro Alloys

Scope: Standardization in the field of ferro alloys and other metallic additions used for iron and steel making

Liaison: **ISO TC-132 (P): Ferroalloys**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1110:2023 ISO 5445:1980	Ferrosilicon - Specification (Fifth Revision)		-	Not Equivalent
2	IS 1170:1992 Reviewed In : 2024	Ferrochromium - Specification (Second Revision)	March, 2024	1	Indigenous
3	IS 1171:2011 Reviewed In : 2021	Ferromanganese - Specification (Fifth Revision)	March, 2021	-	Indigenous
4	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification	March, 2024	-	Indigenous
5	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification (Bilingual)	March, 2024	-	
6	IS 13054:1991 Reviewed In : 2024	Quartzite/quartz for the production of ferroalloys - Specification	March, 2024	1	Indigenous
7	IS 13164:1991 Reviewed In : 2021	Ferrosilicomagnesium - Specification	March, 2021	-	Indigenous
8	IS 1466:1985 Reviewed In : 2024	Specification for ferrovanadium (Third Revision)	March, 2024	-	Indigenous
9	IS 1467:1993 Reviewed In : 2024	Ferrotungsten - Specification (Second Revision)	March, 2024	-	Indigenous
10	IS 1468:2000 Reviewed In : 2024	Ferrotitanium - Specification (Fourth Revision)	March, 2024	-	Indigenous
11	IS 1469:1993 Reviewed In : 2024	Ferromolybdenum - Specification (Fourth Revision)	March, 2024	1	Indigenous
12	IS 1470:2013 Reviewed In : 2023	Silicomanganese - Specification (Fourth Revision)	September, 2023	-	Indigenous
13	IS 1471:1988 Reviewed In : 2024	Specification for ferrophosphorus (Second Revision)	March, 2024	-	Indigenous
14	IS 1472:1977 Reviewed In : 2022 ISO 3713:1987	Methods for sampling ferro-alloys for determination of chemical composition (First Revision)	January, 2022	2	Not Equivalent
15	IS 15765:2008 Reviewed In : 2023	Method of sampling ferro alloys for sieve analysis and size determination	September, 2023	-	Indigenous
16	IS 2021:1993 Reviewed In : 2024	Manganese metal - Specification (Second Revision)	March, 2024	-	Indigenous
17	IS 2022:1997 Reviewed In : 2024	Calcium silicon - Specification (Third Revision)	March, 2024	-	Indigenous
18	IS 2023:1993 Reviewed In : 2024	Chromium metal - Specification (Second Revision)	March, 2024	-	Indigenous

19	IS 2024:1988 Reviewed In : 2024	Specification for ferrosilicochromium (Third Revision)	March, 2024	1	Indigenous
20	IS 2085:1962 Reviewed In : 2024	Code for designation of ferro - alloys	March, 2024	-	Indigenous
21	IS 2301:2000 Reviewed In : 2024	Metallic silicon - Specification (Second Revision)	March, 2024	-	Indigenous
22	IS 2391:2024	Foundry Nickel - Specification (Second Revision)		-	Indigenous
23	IS 3011:1973 Reviewed In : 2021	Specification for ferrosilicozirconium (First Revision)	March, 2021	1	Indigenous
24	IS 3012:2023	Chrome Manganese - Specification (Second Revision)		-	Indigenous
25	IS 3013:1991 Reviewed In : 2021	Ferroboron - Specification (Third Revision)	March, 2021	-	Indigenous
26	IS 3014:1993 Reviewed In : 2024	Ferroniobium - Specification (Second Revision)	March, 2024	-	Indigenous
27	IS 4182:1988 Reviewed In : 2025	Specification for misch metal (First Revision)	March, 2025	-	Indigenous
28	IS 4409:2023	Ferronickel - Specification (Second Revision)		-	Indigenous
29	IS 5634:1987 Reviewed In : 2021	Specification for molybdenum oxide (Technical) (First Revision)	March, 2021	1	Indigenous
30	IS 7148:2024	Ferro-Alloys for Welding Industry â€™ Specification (Second Revision)		-	Indigenous
31	IS 7965:1976 Reviewed In : 2021	Specification for niobium (Columbium)	March, 2021	-	Indigenous

Standards under Development

Projects Approved		
SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
1	MTD 5 (25538) Revision of: IS 1468:2000	Ferrotitanium - Specification Fifth Revision
2	MTD 5 (25540) Revision of: IS 2021:1993	Manganese metal - Specification Third Revision
3	MTD 5 (25542) Revision of: IS 1467:1993	Ferrotungsten - Specification Third Revision
4	MTD 5 (28232) Revision of: IS 1110:2023	Ferrosilicon Specification Sixth Revision

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
1	MTD 5 (25313)	Ferromanganese Specification Sixth Revision

2	MTD 5 (25543)	Ferrochromium - Specification Third Revision
3	MTD 5 (27446)	Ferromolybdenum - Specification Fifth Revision
4	MTD 5 (27447)	Ferrovanadium - Specification Fourth Revision
5	MTD 5 (27583)	Ferronickel - Specification Second Revision Amendment - 1

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
1	MTD 5 (25314) Revision of: IS 1470:2013	Silicomanganese Specification Fifth Revision
2	MTD 5 (27342) Revision of: IS 4182:1988	Misch Metal Specification Second Revision

Total Published Standards:31 Total Standards Under development:11
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Aspect Wise Report
Product : 27
Code of Practices : 2
Methods of Test : 0
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
Sl. No.	IS No. & Year	Title
1	IS B1110:1990 Reviewed In : 2019	Ferrosilicon Bi-lingual
2	IS 1111:1964	Spiegeleisen Revised
3	IS 11945:1987 Reviewed In : 2016	Charge Chrome

Annexure-II :List of Indian Product Standards		
Sl. No.	IS No. & Year	Title
1	IS 1110:2023 ISO 12228-2	Ferrosilicon - Specification Fifth Revision
2	IS 1170:1992 Reviewed In : 2024	Ferrochromium - Specification Second Revision
3	IS 1171:2011 Reviewed In : 2021	Ferromanganese - Specification Fifth Revision
4	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification
5	IS 12908:1990 Reviewed In : 2024	Ferroaluminium - Specification Bi-lingual
6	IS 13054:1991	Quartzite quartz for the production of ferroalloys - Specification

	Reviewed In : 2024	
7	IS 13164:1991 Reviewed In : 2021	Ferrosilicomagnesium - Specification
8	IS 1466:1985 Reviewed In : 2024	Specification for ferrovanadium Third Revision
9	IS 1467:1993 Reviewed In : 2024	Ferrotungsten - Specification Second Revision
10	IS 1468:2000 Reviewed In : 2024	Ferrotitanium - Specification Fourth Revision
11	IS 1469:1993 Reviewed In : 2024	Ferromolybdenum - Specification Fourth Revision
12	IS 1470:2013 Reviewed In : 2023	Silicomanganese - Specification Fourth Revision
13	IS 1471:1988 Reviewed In : 2024	Specification for ferrophosphorus Second Revision
14	IS 2021:1993 Reviewed In : 2024	Manganese metal - Specification Second Revision
15	IS 2022:1997 Reviewed In : 2024	Calcium silicon - Specification Third Revision
16	IS 2023:1993 Reviewed In : 2024	Chromium metal - Specification Second Revision
17	IS 2024:1988 Reviewed In : 2024	Specification for ferrosilicochromium Third Revision
18	IS 2301:2000 Reviewed In : 2024	Metallic silicon - Specification Second Revision
19	IS 2391:2024	Foundry Nickel - Specification Second Revision
20	IS 3011:1973 Reviewed In : 2021	Specification for ferrosilicozirconium First Revision
21	IS 3012:2023 ISO 6480:2019	Chrome Manganese - Specification Second Revision
22	IS 3013:1991 Reviewed In : 2021	Ferroboron - Specification Third Revision
23	IS 3014:1993 Reviewed In : 2024	Ferroniobium - Specification Second Revision
24	IS 4182:1988 Reviewed In : 2025	Specification for misch metal First Revision
25	IS 4409:2023 ISO 12228-1:2014	Ferronickel - Specification Second Revision
26	IS 5634:1987 Reviewed In : 2021	Specification for molybdenum oxide Technical First Revision
27	IS 7965:1976 Reviewed In : 2021	Specification for niobium Columbium